STATEMENT OF WORK
FOR
NOAA-N, N' METOP 1 AND METOP 2 INSTRUMENTS
JUNE 1999

The Space Environment Center (SEC), a part of the NOAA Environmental Research Laboratories, shall initiate and provide overall Program Management for the provision of Space Environment Monitor-2 (SEM-2) instruments for the NOAA-N, N', METOP 1 and the METOP 2 spacecraft. The program will include, but not necessarily be limited to the following:

1. SEC, with the assistance of the DOC Mountain Administrative Support Center (MASC), will conduct a procurement under federal regulations for SEM instruments for the NOAA-N, N', METOP 1 and METOP 2 spacecraft. NOAA and METOP instruments shall be identical/interchangeable. The instruments will be specified to meet the performance requirements for the operation of the Space Environment Services Center and to meet the requirements for schedule, interfacing, reviews, reliability, configuration management, quality, and safety as specified by the POES Project of the GSFC.

The instruments shall be identical to those presently defined by Specification SEL 86-1 and the SEM NOAA-K, L, M Unique Instrument Interface Specification. The updated specification, as developed by the Source Board, and approved by the NASA representative, shall be the controlling specification. The major deliverables shall be:

	Quantity
• Flight Model SEM-2 Subsystems	5
• *Ground Support Equipment(GSE)Set(METOP)	1
• GSE Computer (METOP)	1
• Interface Definition and Integration Support to NOAA and METOP Programs	
• Time and Material Task Order Support	
• Upgrade FM3 to METOP compatible	
• Perform all EMI/EMC METOP level tests on all the NOAA and METOP units	
• Adapt the two (2) existing TIROS SEM-2 GSE Sets to meet METOP requirements	

* A GSE Set is comprised of the following:
- GSE Computer
- TED BCU
- MEPED BCU
- DPU/SEM-2 STC
- TED/MEPED Simulator

2. Following contract award for the SEM, SEC in collaboration with MASC, shall provide technical, financial and administrative monitoring of the contractor.

3. SEC shall provide monthly progress and financial reporting on the program to the POES Project including an electronic copy of the SEM instrument schedules.

4. SEC shall provide the technical liaison required with the prime spacecraft contractors and support the generation and review of spacecraft level interface documents and subsystem test procedures.

SEC shall provide post-launch checkout data analysis, review and provide the POES with performance evaluations including in-orbit failure analysis, if required.